

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd

Location abandoned this well was never drilled, rescened by E.W. Gwynn
on 3-15-82

DATE FILED 10-6-80

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-8345

INDIAN

DRILLING APPROVED: ~~10-15-80~~ 10-21-80

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: L.A. 3-15-82; this well was never drilled

FIELD: WILDCAT 3/86 Undesignated

UNIT: LOVE UNIT

COUNTY: UINTAH

WELL NO. LOVE #1-17

LOCATION 1736' FT. FROM ☒ (S) LINE.

1250

API NO. 43-047-30802

FT. FROM ☒ (W) LINE.

NW SW

1/4 - 1/4 SEC. 17

TWP. RGE. SEC. OPERATOR

TWP. RGE. SEC. OPERATOR

11S

21E

17

COTTON PETROLEUM CORP.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR

717 17th Street, Suite 2200, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface CSW Sec. 17, T11S, R21E

At proposed prod. zone

1,736 FSL & 1,250 FWL

NW SW

OCT 6 1980

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1,250

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED

640

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

5300'

19. PROPOSED DEPTH

7,000'

20. ROTARY OR CABLE TOOLS

rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,722' GR

22. APPROX. DATE WORK WILL START*

1-1-81

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48 lbs	200'	140 sacks
12-1/4"	8 -5/8"	24 lbs	2,500'	500 sacks
8 -3/4"	4 -1/2"	10.5 lbs	7,050'	1,000 sacks, DV Tool @ 2,500*

Drill 7,050' Mesa Verde Test. Drill 17-1/2" surface hole to 200' with native brine water to clean hole, set 13-3/8" casing and cement to surface. Wait on cement 12 hours. Pressure test casing and BOP to 70% of casing yield (1200 psi) before drilling out, test BOP operation daily and record. Drill 12-1/4" hole to 2500' with brine water to clean hole, set 8-5/8" casing with 500 sacks of cement. Wait on cement 12 hours, pressure test casing and BOP to 1000 psi before drilling out. Drill 8-3/4" hole to 7,050' with brine water to 4100' and with a polymer brine water from 4100' to 7,050'. Mud weight will be 9.4 to 10.4 lbs per gallon. Evaluate well by sample analysis and electric logs. Run 4-1/2" casing if a commercial well is expected. *If strong water flow or lost circulation is not encountered intermediate string will not be set, will then set DV tool @ 2500' in 4-1/2" casing and cement across the Green River formation with 600 sacks cement.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 10/15/80

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen direction, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

D.E. Wood / LGS

TITLE

Division Production Manager

DATE

9-30-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

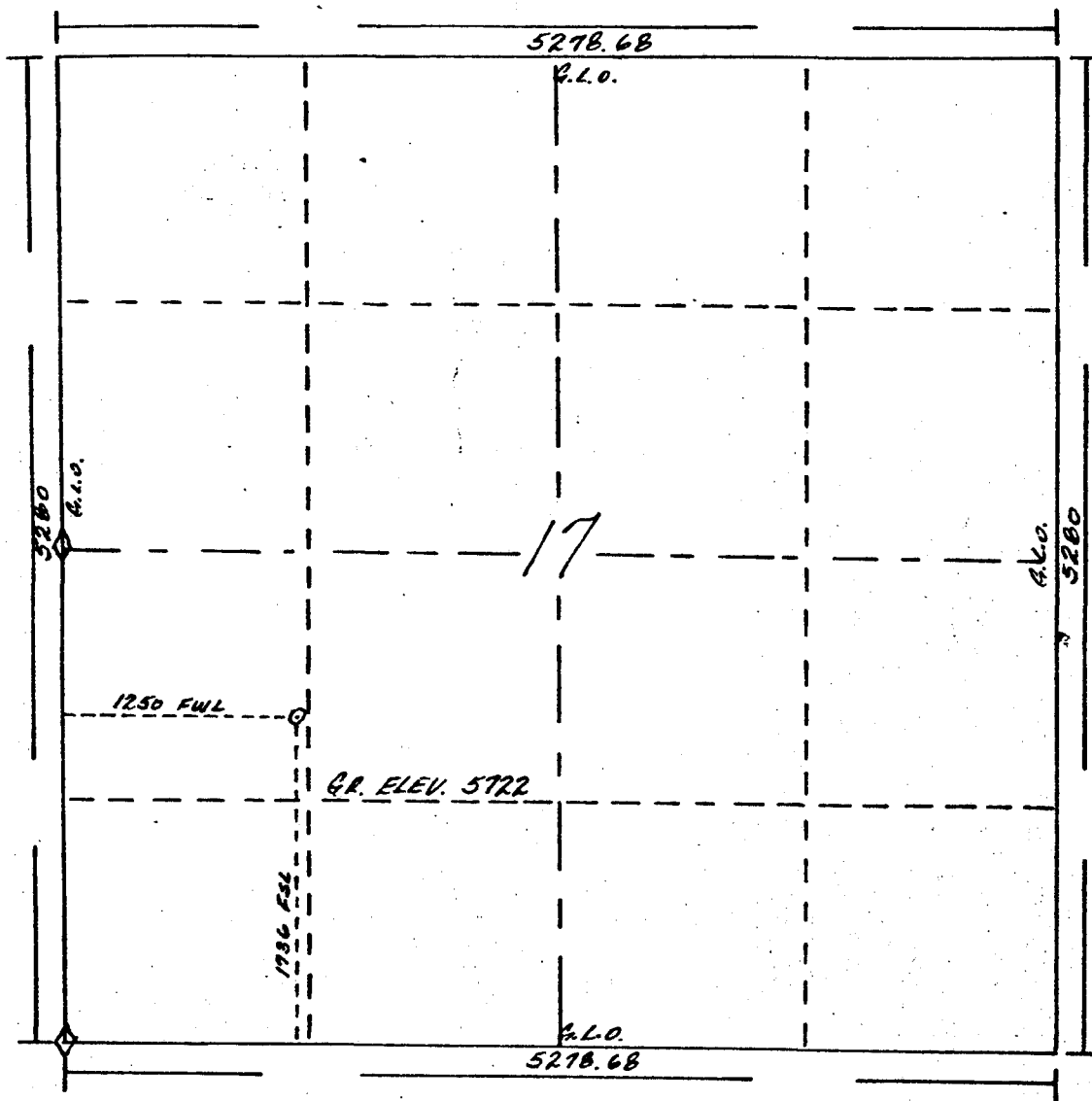
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



R. 21 E.

T.
11
S.

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
has in accordance with a request from *Glean Garvey*
for *COTTON PETROLEUM*
determined the location of #1-17 LOVE UNIT
to be 1736' FSL, 1250' FWL of Section 17 Township 11 S.
Range *21 E.* of the Salt Lake Base and Meridian
Utah County, Utah

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
#1-17 LOVE UNIT

Date: *8-27-80*

Garry M. Becker
Licensed Land Surveyor No. 4189
State of Utah

**** FILE NOTATIONS ****

DATE: Oct 10, 1980

OPERATOR: Cotton Petroleum Corp.

WELL NO: Sore #1-17

Location: Sec. 17 T. 11S R. 21E County: Uintah

File Prepared: ☐

Entered on N.I.D: ☐

Card Indexed: ☐

Completion Sheet: ☐

API Number 43-047-30802

CHECKED BY:

Petroleum Engineer: _____

Director: OK Unit well

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Drill

Plotted on Map ☒

Approval Letter Written ☒

Hot Line ☒

P.I. ☒

October 21, 1980

Cotton Petroleum Corporation
717 17th Street, Suite 2200
Denver, Colorado 80202

Re: Well No. Love Unit 1-17
Sec. 17, T. 11S, R. 21E
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to Gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-30802.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Director

/ka
cc: USGS

DUPLICATE
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN DUPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐

2. NAME OF OPERATOR

Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR

717 17th Street, Suite 2200, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface CSW Sec. 17, T11S, R21E

At proposed prod. zone 1,736 FSL & 1,250 FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1,250

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED
TO THIS WELL

640

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

5300'

19. PROPOSED DEPTH

7,000'

20. ROTARY OR CABLE TOOLS*

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,722' GR

22. APPROX. DATE WORK WILL START*

1-1-81

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48 lbs	200'	140 sacks
12-1/4"	8 -5/8"	24 lbs	2,500'	500 sacks
8 -3/4"	4 -1/2"	10.5 lbs	7,050'	1,000 sacks, DV Tool @ 2,500*

Drill 7,050' Mesa Verde Test. Drill 17-1/2" surface hole to 200' with native brine water to clean hole, set 13-3/8" casing and cement to surface. Wait on cement 12 hours. Pressure test casing and BOP to 70% of casing yield (1200 psi) before drilling out, test BOP operation daily and record. Drill 12-1/4" hole to 2500' with brine water to clean hole, set 8-5/8" casing with 500 sacks of cement. Wait on cement 12 hours, pressure test casing and BOP to 1000 psi before drilling out. Drill 8-3/4" hole to 7,050' with brine water to 4100' and with a polymer brine water from 4100' to 7,050'. Mud weight will be 9.4 to 10.4 lbs per gallon. Evaluate well by sample analysis and electric logs. Run 4-1/2" casing if a commercial well is expected. *If strong water flow or lost circulation is not encountered intermediate string will not be set, will then set DV tool @ 2500' in 4-1/2" casing and cement across the Green River formation with 600 sacks cement.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

D.E. Wood

TITLE

Division Production Manager

DATE

9-30-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

W. W. Gynn

TITLE

FOR E. W. GYNN
DISTRICT ENGINEER

DATE

FEB 27 1981

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY.

NOTICE OF APPROVAL

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80*State Oil & Gas*

Identification CER/EA No. 30-81

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Cotton Petroleum Corporation
Project Type Gas Well Drilling
Project Location 1736' FSL 1250' FWL Section 17, T. 11S, R. 21E
Well No. 1-17 Lease No. U-8345
Date Project Submitted October 14, 1980

FIELD INSPECTION Date November 13, 1980

Field Inspection
Participants

Greg Darlington - USGS, Vernal
Ron Rogers - BLM, Vernal
Larry England - BLM, Vernal
Don Mecham - Cotton Petroleum Corporation

Related Environmental Documents: Unit Resource Analysis, Seep Ridge Planning
Unit, BLM, Vernal.

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

November 26, 1980

Date Prepared

Gregory Darlington

Environmental Scientist

I concur

12/4/80

Date

Ed Sney

District Supervisor

Typing In 12-1-80 Typing Out 12-3-80

PROPOSED ACTION:

Cotton Petroleum Corporation proposes to drill the Love Unit 1-17 well, a 7050 foot test of potential gas in the Mesaverde formation. About 1500 feet of new road construction will be required with a 16 foot width of driving surface and adequate drainage ditches. The pad would be contoured to fit an existing ridgetop with an area of operations about 300 feet by 305 feet involved. The reserve pit would be inside this area of operations. About 2.6 acres will be disturbed by this project.

RECOMMENDED APPROVAL CONDITIONS:

Drilling should be allowed, provided the following measures are incorporated into the proposed APD and adhered to by the operator:

1. Lease Stipulations
2. BLM Stipulations
3. Requested logs are suitably furnished for the identification and protection of other potentially valuable minerals as requested by the Mineral Evaluation Report and Mining Report.

FIELD NOTES SHEET

Date of Field Inspection: November 13, 1980

Well No.: 1-17

Lease No.: V-8345

Approve Location: ✓

Approve Access Road: ✓

Modify Location or Access Road: Both OK

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) Plaza look adequate, quite ^{on} irregularly

shaped pad is involved here.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety							1, 2, 3, 6	11-13-80	
2. Unique charac- teristics							1, 2, 3, 6	11-13-80	
3. Environmentally controversial							1, 2, 3, 6	11-13-80	
4. Uncertain and unknown risks							1, 2, 3, 6	11-13-80	
5. Establishes precedents							1, 2, 3, 6	11-13-80	
6. Cumulatively significant							1, 2, 3, 6	11-13-80	
7. National Register historic places							1, 6	11-13-80	
8. Endangered/ threatened species							1, 6	11-13-80	
9. Violate Federal, State, local, tribal law							1, 2, 3, 6	11-13-80	

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *USGS conditions of Approval.*



*Cotton 1-17 North View
Section 17, T11S, R21E*

11-13

(3/71)

STIPULATIONS FOR LANDS IN OIL SHALE WITHDRAWAL,
EXECUTIVE ORDER 5327 OF APRIL 15, 1930

The lessee under the above oil and gas lease hereby agrees that the following agreement and stipulations are by this reference incorporated as terms and conditions of said lease as to the following lands:

☒ All the lands in the lease.

☐

The lessee agrees that:

1. No wells will be drilled for oil or gas except upon approval of the Area Oil and Gas Supervisor of the Geological Survey, it being understood that drilling will be permitted only in the event that it is established to the satisfaction of the Supervisor that such drilling will not interfere with the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods or that the interest of the United States would best be served thereby.
2. No wells will be drilled for oil or gas at a location which, in the opinion of the Area Oil and Gas Supervisor of the Geological Survey, would result in undue waste of oil shale deposits or constitute a hazard to or unduly interfere with mining or other operations being conducted for the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods.
3. When it is determined by the Area Oil and Gas Supervisor of the Geological Survey that unitization is necessary for orderly oil and gas development and proper protection of oil shale deposits, no well shall be drilled for oil or gas except pursuant to an approved unit plan.
4. The drilling or the abandonment of any well on this lease shall be done in accordance with applicable oil and gas operating regulations including such requirements as the Area Oil and Gas Supervisor of the Geological Survey may prescribe as necessary to prevent the infiltration of oil, gas or water into formations containing oil shale deposits or into mines or workings being utilized in the extraction of such deposits.



IN REPLY REFER TO

United States Department of the Interior

T & R
U-802

BUREAU OF LAND MANAGEMENT

VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

November 17, 1980

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104



Re: Cotton Petroleum Corporation,
Love Unit, Well #1-5,
U-14646, Section 5, T11S,
R21E; Well #1-17, U-8345,
Section 17, T11S, R21E;
Well #1-23, U-8346, Section
23, T11S, R21E;
Uintah County, Utah

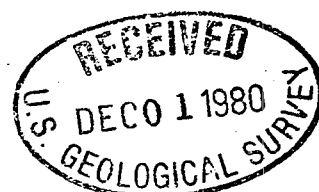
Dear Mr. Guynn:

A joint field examination was made on November 13, 1980, of the above referenced well site locations and proposed access roads. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas and construction of pipeline routes shall be in accordance with surface use standards as set forth in the brochure, "Surface Operation Standards for Oil and Gas Exploration and Development".
2. Traveling off access road rights-of-way will not be allowed. The maximum width of access roads (both existing and planned) will be 30 feet total disturbed area, except where backslope and fills require additional area. Turn-outs will not be required. Roads are to be crowned and bar ditched where needed.
3. Topsoil will be stockpiled as addressed in the applicant's 13 Point Plan. The BLM recommends that the top 4-6 inches of topsoil materials be stockpiled at the wellsites. At well #1-17, the topsoil should be stockpiled at the southwest corner of the drill pad.



Continued . . .



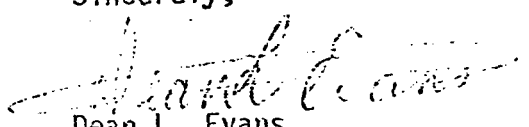
4. The BLM must be contacted at least 24 hours prior to any construction activities.
5. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.
6. In the event that oil storage tanks are used, earth dikes will be built around the tanks in order to contain accidental spills. The height of the dikes will be sufficient to contain the entire contents of the tanks.
7. A wire mesh or web type fence will be used around the reserve pits. At least two strands of barbed wire will top this fence.
8. Access to well #1-5 will be via the MESA pipeline right-of-way south to where a well access road intersects the right-of-way in Section 8.
9. Production facilities will be painted with a color which blends in with the natural background. Various earth tones can accomplish this.

An archaeological study has been conducted by Powers Elevation. No cultural resources were located at any of the proposed sites.

The proposed activities do not jeopardize listed, threatened, or endangered flora, fauna, or their habitats.

The BLM representative will be Ron Rogers, 789-1362.

Sincerely,


Dean L. Evans
Area Manager
Bookcliffs Resource Area

cc: USGS, Vernal

December 28, 1981

Cotton Petroleum Corporation
717 17th Street, suite #2200
Denver, Colorado 80202

Re: ~~Well~~ Attached

Gentlemen:

On reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

q Your prompt attention to the above will be greatly appreciated.

Very truly, yours,

DIVISION OF OIL, GAS AND
MINING

MINI

Carl Furse
Clerk Typist

Well No. Love Unit 1-2-11-21
Sec. 2, T. 11S, R. 21E
Uintah County, Utah

Well No. Love Unit #B 3-9
Sec. 9, T. 11S, R. 21E
Uintah County, Utah

Well No. Love Unit C1-14
Sec. 14, T. 11S, R. 21E
Unitah County, Utah

Well No. Love Unit #1-17
Sec. 17, T. 11S, R. 21 E.
Unitah County, Utah

Well No. Love Unit # 1-23
Sec. 23, T. 11S, R. 21E.
Unitah County, Utah

Cotton Petroleum Corporation

A United Energy Resources, Inc. Company

717-17th Street Energy Center One—Suite 2200, Denver, Colorado 80202 (303) 893-2233



January 5, 1982

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attn: Cari Furse

Re: See Attached

Dear Ms. Furse:

Regarding your letter of December 28, 1981, on the above mentioned wells, Cotton Petroleum Corporation has not spudded them as of yet. We hope to have them on our 1982 drilling program.

Should you need any further information, please contact us.

Sincerely,

COTTON PETROLEUM CORPORATION

A handwritten signature in dark ink, appearing to read 'D. E. Wood', is written over the printed name.

D. E. Wood
Division Production Manager

TG

RECEIVED

JAN 07 1982

DIVISION OF
OIL, GAS & MINING

Love Unit 1-2-11-21
Section 2 T11S, R21E
Uintah County, Utah

Love Unit B3-9
Section 9 T11S, R21E
Uintah County, Utah

Love Unit C1-14
Section 14 T11S, R21E
Uintah County, Utah

Love Unit 1-17
Section 17 T11S, R21E
Uintah County, Utah

Love Unit 1-23
Section 23 T11S, R21E
Uintah County, Utah

Minerals Management Service
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3984

March 15, 1982

Cotton Petroleum Corporation
717 17th Street - Suite 2200
Denver, Colorado 80202

Re: Return Application for
Permit to Drill
Well No. 1-17
Section 17-T11S-F21E
Uintah County, Utah
Lease No. U-8345

Well No. 1-23
Section 23-T11S-F21E
Uintah County, Utah
Lease No. U-8346-A

Gentlemen:

The Applications for Permit to Drill the referenced wells were approved on February 27, 1981. Since that date no known activity has transpired at the approved locations. Under current District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing this office is resubmitting the approval of the referenced applications without prejudice. If you intend to drill at these locations at a future date, new applications for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made at these drill sites. Any surface disturbance associated with the approved locations of these wells will be rehabilitated. A schedule for this rehabilitation must then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

E. W. Gwyn
District Oil and Gas Supervisor

lcc: SMA
State Office (OSG) ✓
State Office (ELK)
USGS-Vernal
Well File
APD Control

LS/ch